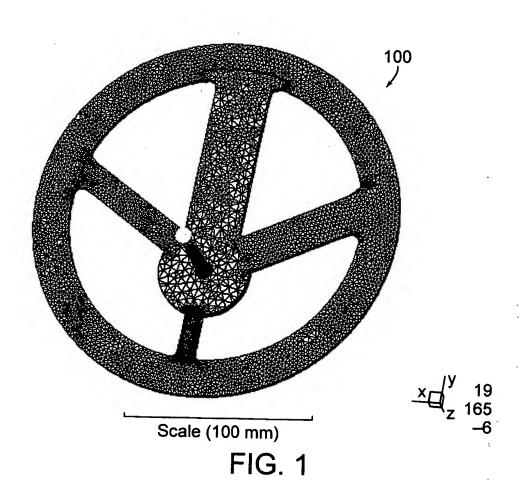
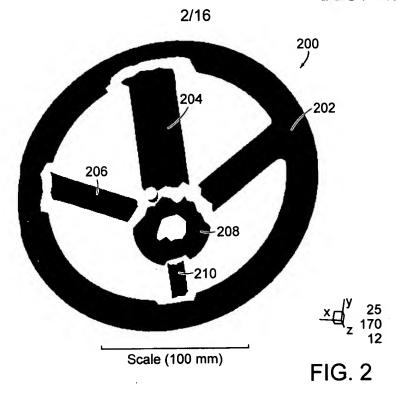
Seriai No.: Not yet assigned Atty Docket No.: MFL-003 Atty.: William R. Haulbrook, Ph.D. Express Mail Mailing Label No.: EV 334229382 US SHEET 1 OF 16

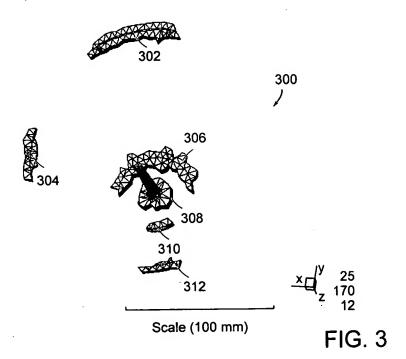
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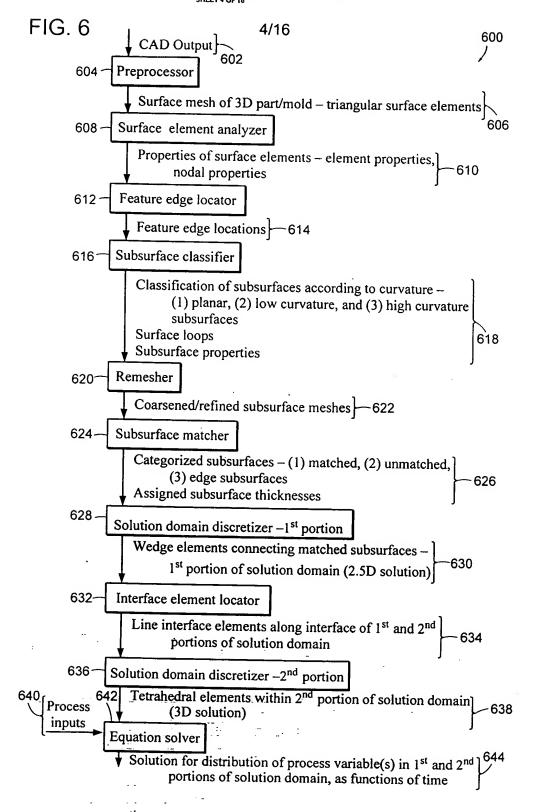




Scale (100 mm)

FIG. 5

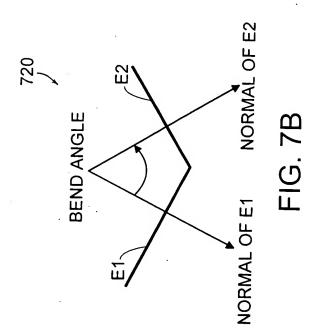
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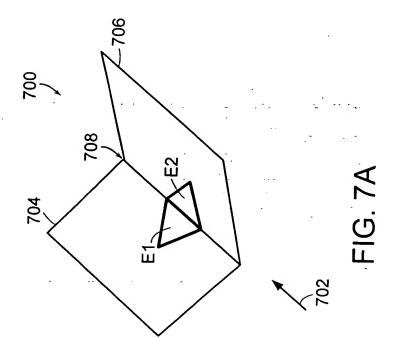


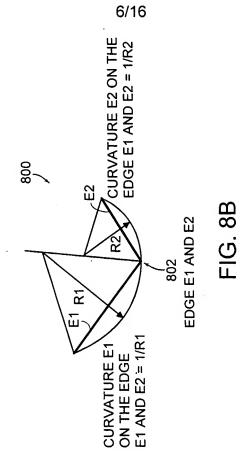
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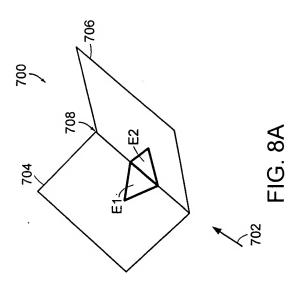
Title: Apparatus and Methods for Performing Process Simulation Using a Hybrid Model Inventors: Yu et al.
Serial No.: Not yet assigned
Atty Docket No.: MFL-003
Atty.: William R. Haulbrook, Ph.D.
Express Mail Mailing Label No.: EV 334229382 US
SHEET 5 OF 16

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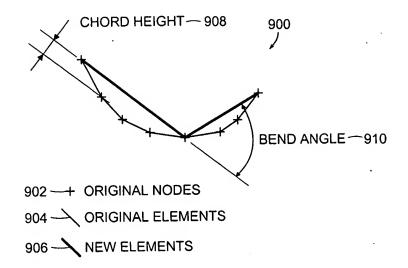


FIG. 9

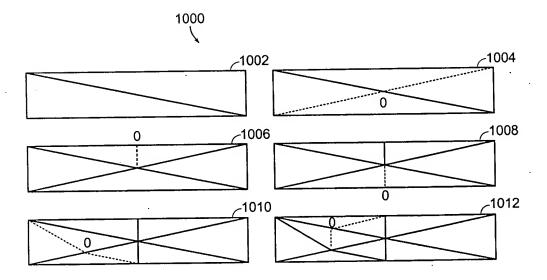
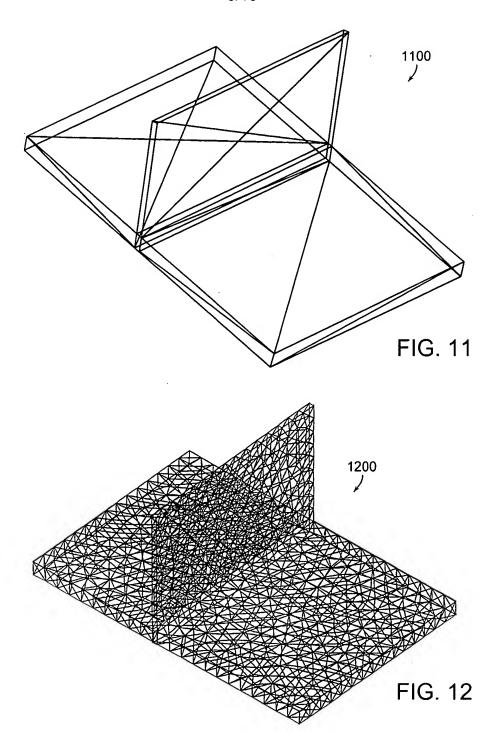
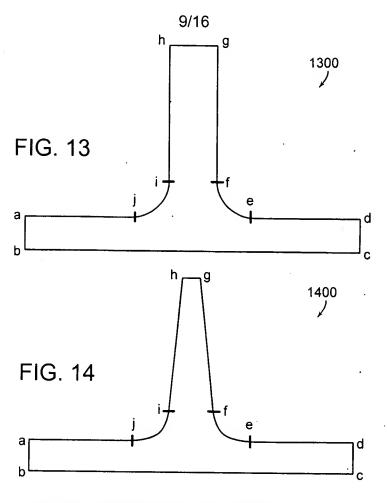


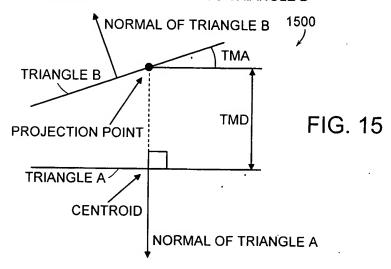
FIG. 10

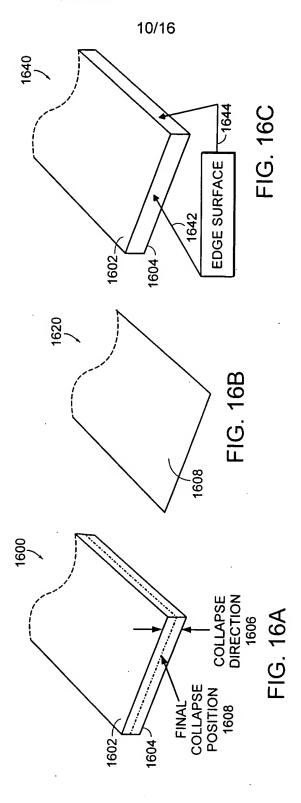
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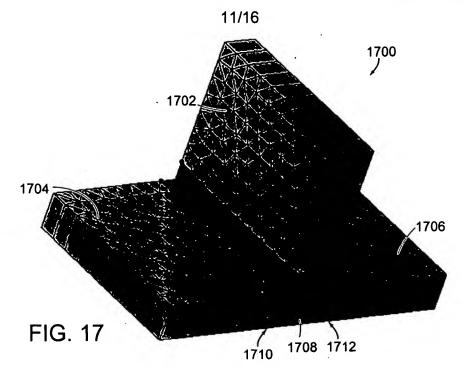


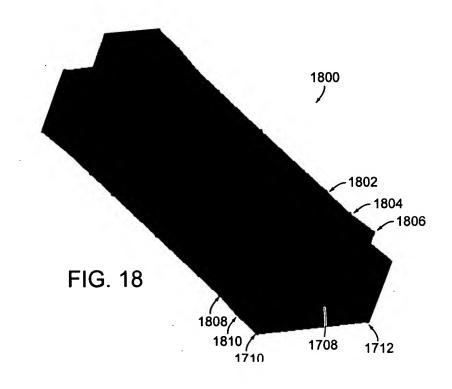


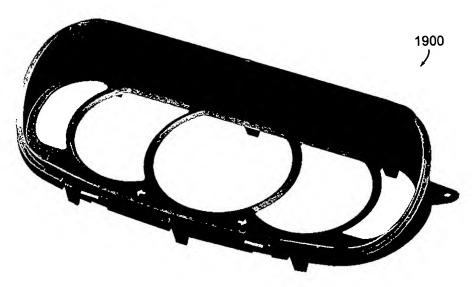


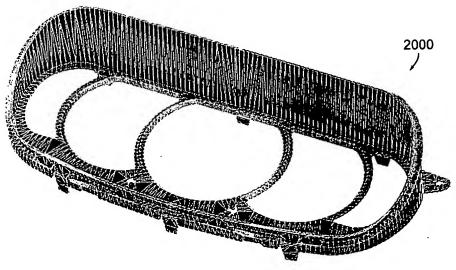












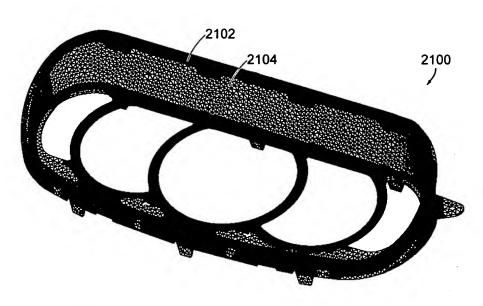


FIG. 21 Scale (200 mm) x y -41 z -21

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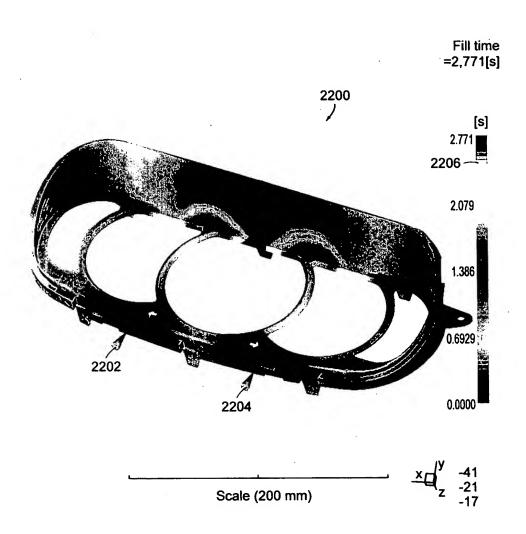


FIG. 22

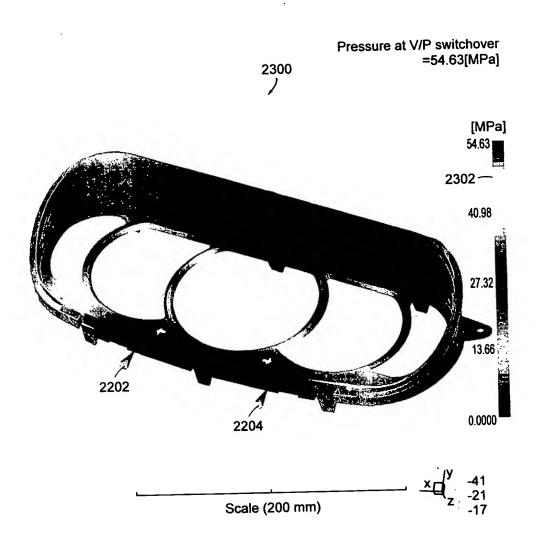


FIG. 23

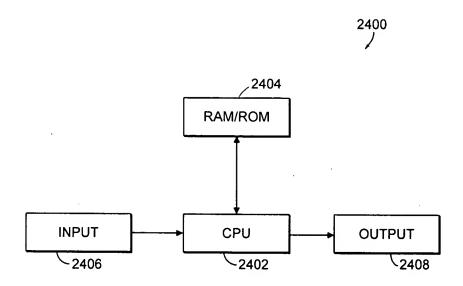


FIG. 24